

D. JIANG

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RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/373,230

DATE: 11/16/2000  
TIME: 04:29:23

INPUT SET: S36111.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

1 SEQUENCE LISTING  
2  
3 (1) General Information:  
4  
5 (i) APPLICANT: OKAMURA, Haruki  
6 TANIMOTO, Tadao  
7 TORIGOE, Kakuji  
8 KUNIKATA, Toshio  
9 TANIGUCHI, Mutsuko  
10 KOHNO, Keizo  
11 KURIMOTO, Masashi  
12  
13 (ii) TITLE OF INVENTION: IFN-BETA PRODUCTION INDUCING PROTEIN AND  
14 MONOCLONAL ANTIBODY OF THE SAME  
15  
16 (iii) NUMBER OF SEQUENCES: 9  
17  
18 (iv) CORRESPONDENCE ADDRESS:  
19 (A) ADDRESSEE: BROWDY AND NEIMARK  
20 (B) STREET: 419 Seventh Street, N.W., Suite 300  
21 (C) CITY: Washington  
22 (D) STATE: D.C.  
23 (E) COUNTRY: USA  
24 (F) ZIP: 20004  
25  
26 (v) COMPUTER READABLE FORM:  
27 (A) MEDIUM TYPE: Floppy disk  
28 (B) COMPUTER: IBM PC compatible  
29 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
30 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30  
31  
32 (vi) CURRENT APPLICATION DATA:  
33 (A) APPLICATION NUMBER: 09/373,230  
34 (B) FILING DATE:  
35 (C) CLASSIFICATION:  
36  
37 (vii) PRIOR APPLICATION DATA:  
38 (A) APPLICATION NUMBER: 08/502,535  
39 (B) FILING DATE:  
40  
41 (vii) PRIOR APPLICATION DATA:  
42 (A) APPLICATION NUMBER: JP 45057/1995  
43 (B) FILING DATE: 10-FEB-1995  
44  
45 (viii) ATTORNEY/AGENT INFORMATION:  
46 (A) NAME: BROWDY, Roger L.

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47 (B) REGISTRATION NUMBER: 25,618  
 48 (C) REFERENCE/DOCKET NUMBER: OKAMURA=2  
 49  
 50 (ix) TELECOMMUNICATION INFORMATION:  
 51 (A) TELEPHONE: 202-628-5197  
 52 (B) TELEFAX: 202-737-3528  
 53  
 54  
 55 (2) INFORMATION FOR SEQ ID NO:1:  
 56  
 57 (i) SEQUENCE CHARACTERISTICS:  
 58 (A) LENGTH: 471 base pairs  
 59 (B) TYPE: nucleic acid  
 60 (C) STRANDEDNESS: single  
 61 (D) TOPOLOGY: linear  
 62  
 63 (ii) MOLECULE TYPE: cDNA  
 64  
 65 (ix) FEATURE:  
 66 (A) NAME/KEY: CDS  
 67 (B) LOCATION: 1..471  
 68  
 69 (D) OTHER INFORMATION:/note= Xaa in position 70 is Met or Thr  
 70  
 71 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
 72  
 73 AAC TTT GGC CGA CTT CAC TGT ACA ACC GCA GTA ATA CGG AAT ATA AAT 48  
 74 Asn Phe Gly Arg Leu His Cys Thr Thr Ala Val Ile Arg Asn Ile Asn  
 75 1 5 10 15  
 76  
 77 GAC CAA GTT CTC TTC GTT GAC AAA AGA CAG CCT GTG TTC GAG GAT ATG 96  
 78 Asp Gln Val Leu Phe Val Asp Lys Arg Gln Pro Val Phe Glu Asp Met  
 79 20 25 30  
 80  
 81 ACT GAT ATT GAT CAA AGT GCC AGT GAA CCC CAG ACC AGA CTG ATA ATA 144  
 82 Thr Asp Ile Asp Gln Ser Ala Ser Glu Pro Gln Thr Arg Leu Ile Ile  
 83 35 40 45  
 84  
 85 TAC ATG TAC AAA GAC AGT GAA GTA AGA GGA CTG GCT GTG ACC CTC TCT 192  
 86 Tyr Met Tyr Lys Asp Ser Glu Val Arg Gly Leu Ala Val Thr Leu Ser  
 87 50 55 60  
 88  
 89 GTG AAG GAT AGT AAA AYG TCT ACC CTC TCC TGT AAG AAC AAG ATC ATT 240  
 90 Val Lys Asp Ser Lys Xaa Ser Thr Leu Ser Cys Lys Asn Lys Ile Ile  
 91 65 70 75 80  
 92  
 93 TCC TTT GAG GAA ATG GAT CCA CCT GAA AAT ATT GAT GAT ATA CAA AGT 288  
 94 Ser Phe Glu Glu Met Asp Pro Pro Glu Asn Ile Asp Asp Ile Gln Ser  
 95 85 90 95  
 96  
 97 GAT CTC ATA TTC TTT CAG AAA CGT GTT CCA GGA CAC AAC AAG ATG GAG 336  
 98 Asp Leu Ile Phe Phe Gln Lys Arg Val Pro Gly His Asn Lys Met Glu  
 99 100 105 110

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100
101   TTT GAA TCT TCA CTG TAT GAA GGA CAC TTT CTT GCT TGC CAA AAG GAA      384
102   Phe Glu Ser Ser Leu Tyr Glu Gly His Phe Leu Ala Cys Gln Lys Glu
103           115                      120                      125
104
105   GAT GAT GCT TTC AAA CTC ATT CTG AAA AAA AAG GAT GAA AAT GGG GAT      432
106   Asp Asp Ala Phe Lys Leu Ile Leu Lys Lys Lys Asp Glu Asn Gly Asp
107       130                      135                      140
108
109   AAA TCT GTA ATG TTC ACT CTC ACT AAC TTA CAT CAA AGT      471
110   Lys Ser Val Met Phe Thr Leu Thr Asn Leu His Gln Ser
111   145                      150                      155
112
113
114   (2) INFORMATION FOR SEQ ID NO:2:
115
116       (i) SEQUENCE CHARACTERISTICS:
117           (A) LENGTH: 157 amino acids
118           (B) TYPE: amino acid
119           (D) TOPOLOGY: linear
120
121       (ii) MOLECULE TYPE: protein
122
123       (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
124
125   Asn Phe Gly Arg Leu His Cys Thr Thr Ala Val Ile Arg Asn Ile Asn
126       1           5           10           15
127
128   Asp Gln Val Leu Phe Val Asp Lys Arg Gln Pro Val Phe Glu Asp Met
129           20           25           30
130
131   Thr Asp Ile Asp Gln Ser Ala Ser Glu Pro Gln Thr Arg Leu Ile Ile
132           35           40           45
133
134   Tyr Met Tyr Lys Asp Ser Glu Val Arg Gly Leu Ala Val Thr Leu Ser
135       50           55           60
136
137   Val Lys Asp Ser Lys Xaa Ser Thr Leu Ser Cys Lys Asn Lys Ile Ile
138       65           70           75           80
139
140   Ser Phe Glu Glu Met Asp Pro Pro Glu Asn Ile Asp Asp Ile Gln Ser
141           85           90           95
142
143   Asp Leu Ile Phe Phe Gln Lys Arg Val Pro Gly His Asn Lys Met Glu
144           100          105          110
145
146   Phe Glu Ser Ser Leu Tyr Glu Gly His Phe Leu Ala Cys Gln Lys Glu
147           115          120          125
148
149   Asp Asp Ala Phe Lys Leu Ile Leu Lys Lys Lys Asp Glu Asn Gly Asp
150       130          135          140
151
152   Lys Ser Val Met Phe Thr Leu Thr Asn Leu His Gln Ser
  
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153	145	150	155
154			
155	(2) INFORMATION FOR SEQ ID NO:3:		
156			
157	(i) SEQUENCE CHARACTERISTICS:		
158	(A) LENGTH: 20 base pairs		
159	(B) TYPE: nucleic acid		
160	(C) STRANDEDNESS: single		
161	(D) TOPOLOGY: linear		
162			
163	(ii) MOLECULE TYPE: other nucleic acid		
164	(A) DESCRIPTION: /desc = "Oligonucleotide"		
165			
166			
167	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:		
168			
169	ATRTCRTCA TRTTYTCNGG		20
170			
171	(2) INFORMATION FOR SEQ ID NO:4:		
172			
173	(i) SEQUENCE CHARACTERISTICS:		
174	(A) LENGTH: 20 base pairs		
175	(B) TYPE: nucleic acid		
176	(C) STRANDEDNESS: single		
177	(D) TOPOLOGY: linear		
178			
179	(ii) MOLECULE TYPE: other nucleic acid		
180	(A) DESCRIPTION: /desc = "Oligonucleotide"		
181			
182			
183	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:		
184			
185	TTYGARGAYA TGACNGAYAT		20
186			
187	(2) INFORMATION FOR SEQ ID NO:5:		
188			
189	(i) SEQUENCE CHARACTERISTICS:		
190	(A) LENGTH: 17 base pairs		
191	(B) TYPE: nucleic acid		
192	(C) STRANDEDNESS: single		
193	(D) TOPOLOGY: linear		
194			
195	(ii) MOLECULE TYPE: other nucleic acid		
196	(A) DESCRIPTION: /desc = "Oligonucleotide"		
197			
198			
199	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:		
200			
201	TTYGARGARA TGGAYCC		17
202			
203	(2) INFORMATION FOR SEQ ID NO:6:		
204			
205	(i) SEQUENCE CHARACTERISTICS:		

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206 (A) LENGTH: 26 base pairs  
207 (B) TYPE: nucleic acid  
208 (C) STRANDEDNESS: single  
209 (D) TOPOLOGY: linear  
210  
211 (ii) MOLECULE TYPE: cDNA  
212  
213  
214 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:  
215  
216 CGAGGGATCG AACTTTGGCC GACTTC 26  
217  
218 (2) INFORMATION FOR SEQ ID NO:7:  
219  
220 (i) SEQUENCE CHARACTERISTICS:  
221 (A) LENGTH: 26 base pairs  
222 (B) TYPE: nucleic acid  
223 (C) STRANDEDNESS: single  
224 (D) TOPOLOGY: linear  
225  
226 (ii) MOLECULE TYPE: cDNA  
227  
228  
229 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:  
230  
231 CGAGGAATTC CTAACCTTGA TGTAAG 26  
232  
233 (2) INFORMATION FOR SEQ ID NO:8:  
234  
235 (i) SEQUENCE CHARACTERISTICS:  
236 (A) LENGTH: 42 base pairs  
237 (B) TYPE: nucleic acid  
238 (C) STRANDEDNESS: single  
239 (D) TOPOLOGY: linear  
240  
241 (ii) MOLECULE TYPE: cDNA  
242  
243  
244 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:  
245  
246 GAGGAATTCT GGAGGAAGGT ACCATGAACT TTGGCCGACT TC 42  
247  
248 (2) INFORMATION FOR SEQ ID NO:9:  
249  
250 (i) SEQUENCE CHARACTERISTICS:  
251 (A) LENGTH: 26 base pairs  
252 (B) TYPE: nucleic acid  
253 (C) STRANDEDNESS: single  
254 (D) TOPOLOGY: linear  
255  
256 (ii) MOLECULE TYPE: cDNA  
257  
258

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**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/09/373,230**

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Original Text

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**SEQUENCE MISSING ITEM REPORT**  
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**SEQUENCE CORRECTION REPORT**  
**PATENT APPLICATION US/09/373,230**

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Original Text

Corrected Text